K·System
Addressable Fire Detection

KS-POWER-OUT

Powered Output Module

Features

- Loop powered
- Single loop address programmed via TCH-B200
- 24 VDC output with adjustable current level
- 2 x Monitored inputs
- Compact design
- Colour coded flying leads for easy installation
- LPCB approved

Description

KS-POWER-OUT is an addressable Powered Output Module which allows ancillary equipment to be powered from the loop for example conventional beam detectors or flame detectors..

A Hochiki ESP protocol device it is compatible with Kentec's range of Taktis and Syncro addressable control panels.

The module provides a 24 VDC output with an engineer configurable current level, current level can be set through the fire alarm control panel from 2-32mA in 2mA increments. This can be used to power a third party device.

Two monitored inputs are provided for monitoring of outputs from the third party device to enable status to be indicated on the control panel i.e. Fire and Fault relays.

KS-POWER-OUT requires a single loop address which is programmed using the TCH-B200 programmer.

The compact design of the KS-POWER-OUT enables it to be installed within third party equipment.

Specification

Ordering Code and Description	KS-POWER-OUT Powered Output Module
Operating Voltage	17 – 41 VDC
Quiescent Current	200 µA (at 41 V)
Alarm Current	2.3 ~ 32.3 mA
Test Signal Voltage	14 to 30 VDC
Input Ratings	Open Circuit ›100 kΩ Normal State ~10 kΩ (EOL resistor provided) Input Activation ~470 Ω (EOL resistor provided) Short Circuit ‹50 Ω
Operating Temperature Range	-10 °C to + 50 °C
Storage Temperature Range	-30 °C to + 60 °C
Max Humidity	95% RH - Non Condensing (at 40 °C)
Colour/Case Material	Ivory / ACS
Weight (g)	30
Dimensions (mm)	65 L x 42 W x 19 D
Approvals	LPCB approved to EN54-18:2005

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KS-POWER-OUT panel configuration settings*

The following table details the configuration options available on the Kentec Taktis and Syncro AS control panels:

Configuration Options	Taktis	Syncro AS/XT+
Configurable location text	√	√
Fault Reporting Delay	√	√
Map to zone	√	√
Output Options	Default ring mode (Fire), Evacuate Output, Alert Output, Pre Alarm Output, Technical Alarm Output Fault Output, Security Output	Default ring mode (Fire), Evacuate Output, Alert Output, Pre Alarm Output, Technical Alarm Output Fault Output, Security Output
Silenceable	√	√
Invert output operation	√	X
Configurable delay	√	√
Drop on Reset (If output normally on)	√	√
Current Limit	√	√
Configurable Operating Duration	√	X
Single Shot Mode	√	√
Input Actions	Fire, Fault, Pre Alarm, Technical Alarm, Evacuate, Alert, Security, Silence, Reset, Transparent Disablement, Test Mode, Change sensitivity mode, Status, Acknowledge Alarm Extended Delay, Acknowledge Alarm Only, Override Delays	Fire, Fault, Pre Alarm, Technical Alarm, Evacuate, Alert, Security, Silence, Reset, Transparent Disablement, Test Mode
Input Action Message	√	√
Bypass Output Delay	√	√
Input Delay	√	√
Latching or Non-Latching	√	√
Invert input	√	X
Disablement as a Plant Control Output	√	X

* KS-POWER-OUT will be identified on Taktis and Syncro AS/XT+ control panels and on LE2 software as its Hochiki equivalent part number CHQ-POM.

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